Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/30/2018 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125647	0	1.58	125498	1.58
Blue	F	SSC	125000	124693	-1	3.39	124929	3.23
Blue	E	FITC	23615	22838	-4	2.72	1021	10.55
Blue	D	PE	26739	26370	-2	2.24	947	9.90
Blue	B	PerCP-Cy5-5	48339	47874	-1	3.58	1369	17.20
Blue	A	PE-Cy7	45021	45126	0	5.29	697	36.64
Red	C	APC	53064	52403	-2	2.83	2998	9.71
Red	A	APC-Cy7	57175	56671	-1	2.86	1181	11.29
Violet	B	V450	14728	14176	-4	5.76	677	10.08
Violet	A	V500	58621	57279	-3	5.64	2534	7.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19308	2.45	609	-5	N/A	N/A	Pass
Blue	F	SSC	61758	1.59	554	8	N/A	N/A	Pass
Blue	E	FITC	113	38.83	545	-3	0.0194	85	Pass
Blue	D	PE	207	29.84	537	1	0.1641	277	Pass
Blue	B	PerCP-Cy5-5	215	46.33	635	0	0.0099	126	Pass
Blue	A	PE-Cy7	76	122.25	694	1	0.0112	15	Pass
Red	C	APC	347	27.95	599	2	0.0192	25	Pass
Red	A	APC-Cy7	129	41.41	581	1	0.0055	1845	Pass
Violet	B	V450	82	44.13	462	-8	0.0448	2072	Pass
Violet	A	V500	185	23.53	489	-8	0.0141	473	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.27	0.98
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	17.90	14.40 - 21.60	N/A	N/A	31.00	31.48	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10444

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments